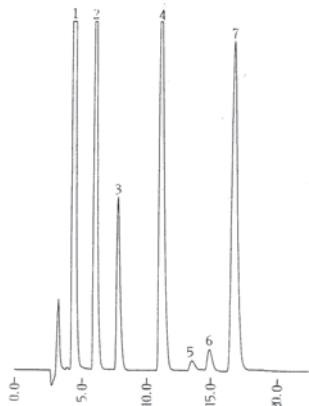


CHEMCOSORB Uシリーズ・アプリケーション

ケムコHPLC用充填剤・カラム

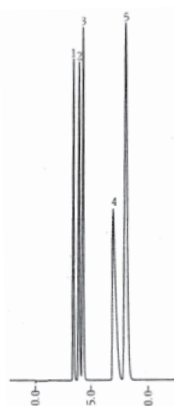
U-18 有機酸類(Organic acids)

CHEMCOSORB 5C8-U 4.6φX150mm
5mM NH₄H₂PO₄(pH 2.5/H₃PO₄)
0.8mL/min, 25°C, UV @ 210nm
1.Tartaric acid 2.Malic acid 3.Lactic acid 4.Citric acid
5.Maleic acid 6.Succinic acid 7.Fumaric acid



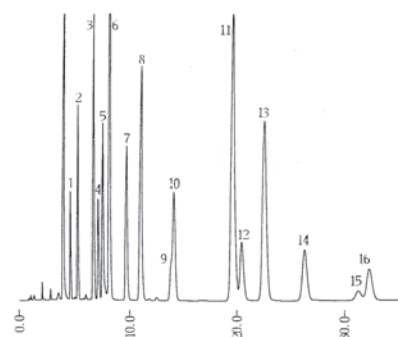
U-4 ジクロロニトロベンゼン異性体 (Dichloronitrobenzene isomers)

CHEMCOSORB 5NH2-U 4.6φX150mm
Hexane 100%
2.0mL/min, ambient, UV 254nm
1.3,4-Dichloronitrobenzene 2.2,5-Dichloronitrobenzene
3.2,4-Dichloronitrobenzene 4.2,6-Dichloronitrobenzene
5.2,3-Dichloronitrobenzene



U-7 多環芳香族炭化水素(Polyaromatic hydrocarbons)

CHEMCOSORB 5ODS-UH 4.6φX250mm
CH₃CN/H₂O(76:24), 1.8mL/min, 40°C, UV @ 254nm
1.Naphthalene 2.Acenaphthylene 3.Flourene
4.Acenaphthene 5.Phenanthrene 6.Anthracene
7.Flouoranthene 8.Pyrene 9.Chrysene 10.Benz(a)anthracene
11.Benzo(b)flouoranthene 12.Benzo(k)flouoranthene
13.Benzo(a)pyrene 14.Dibenz(a,h)anthracene



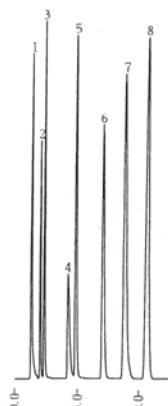
U-19 抗てんかん薬(Anticonvulsants)

CHEMCOSORB 5C8-U 4.6φX150mm
25mM NH₄H₂PO₄(pH4.4/H₃PO₄)/CH₃CN (78:22)
2.0mL/min, 40°C, UV 210nm
1.Primidone 2.Trimethadione 3.Sultiame 4.Phenobarbital
5.Metharbital 6.Phenacetin(asl.S.) 7.Carbamazepin
8.Phenytoin



U-5 感冒薬(Cold medicine)

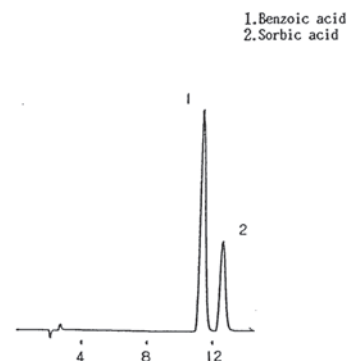
CHEMCOSORB 5ODS-UH 4.6φX150mm
50mM KH₂PO₄(pH 2.5/H₃PO₄)/CH₃CN (76:24)
1.0mL/min, 40°C, UV 280nm
1.Potassium guaiacol-4-sulfonate 2.p-Acetamidophenol
3.Caffeine 4.d-Chlorpheniramine maleate 5.Salicylamide
6.Acetylsalicylic acid 7.Phenacetin 8.Bucetin



17. 食品添加物(Food additives)

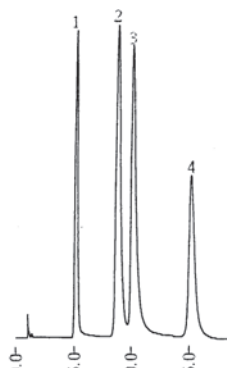
CHEMCOSORB 5ODS-UH 4.6φX150mm
MeOH/H₂O(55:45) incl. 2.5mM AcONa, 10mMAcOH
0.7mL/min, R.T., UVD 225nm

1.Benzoic acid 2.Sorbic acid



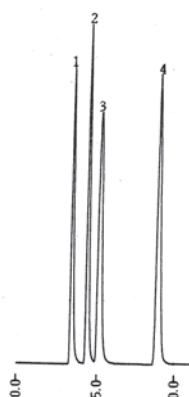
U-15 アンチピリン誘導体(Antipyrine derivatives)

CHEMCOSORB 5DPH-U 4.6φX150mm
25mM KH₂PO₄(pH 4.6/H₃PO₄)/CH₃CN (92:8)
2.0mL/min, 40°C, UV 260nm
1.Sulpyrine 2.4-Formyl aminoantipyrine 3.4-Acetyl
aminoantipyrine 4.4-Aminoantipyrine



U-17 プリン誘導体(Purine derivatives)

CHEMCOSORB 5ODS-UH 4.6φX250mm
6mM KH₂PO₄+4mM Na₂HPO₄ [pH6.64]/ CH₃OH(90:10)
incl.5mM Tetra-n-butylammonium bromide
1.0mL/min, 40°C, UV 254nm
1.Hypoxanthine 2.Allopurinol 3.Xanthine 4.Uric acid



U-16 テトラサイクリン誘導体(Tetracycline derivatives)

CHEMCOSORB 5DPH-U 4.6φX150mm
50mM KH₂PO₄(pH 2.9/H₃PO₄)/CH₃CN (87:13)
1.5mL/min, 40°C, UV 254nm
1.Oxytetracycline hydrochloride 2.Minocycline
hydrochloride 3.Tetracycline hydrochloride

